

09/788,061, 021603

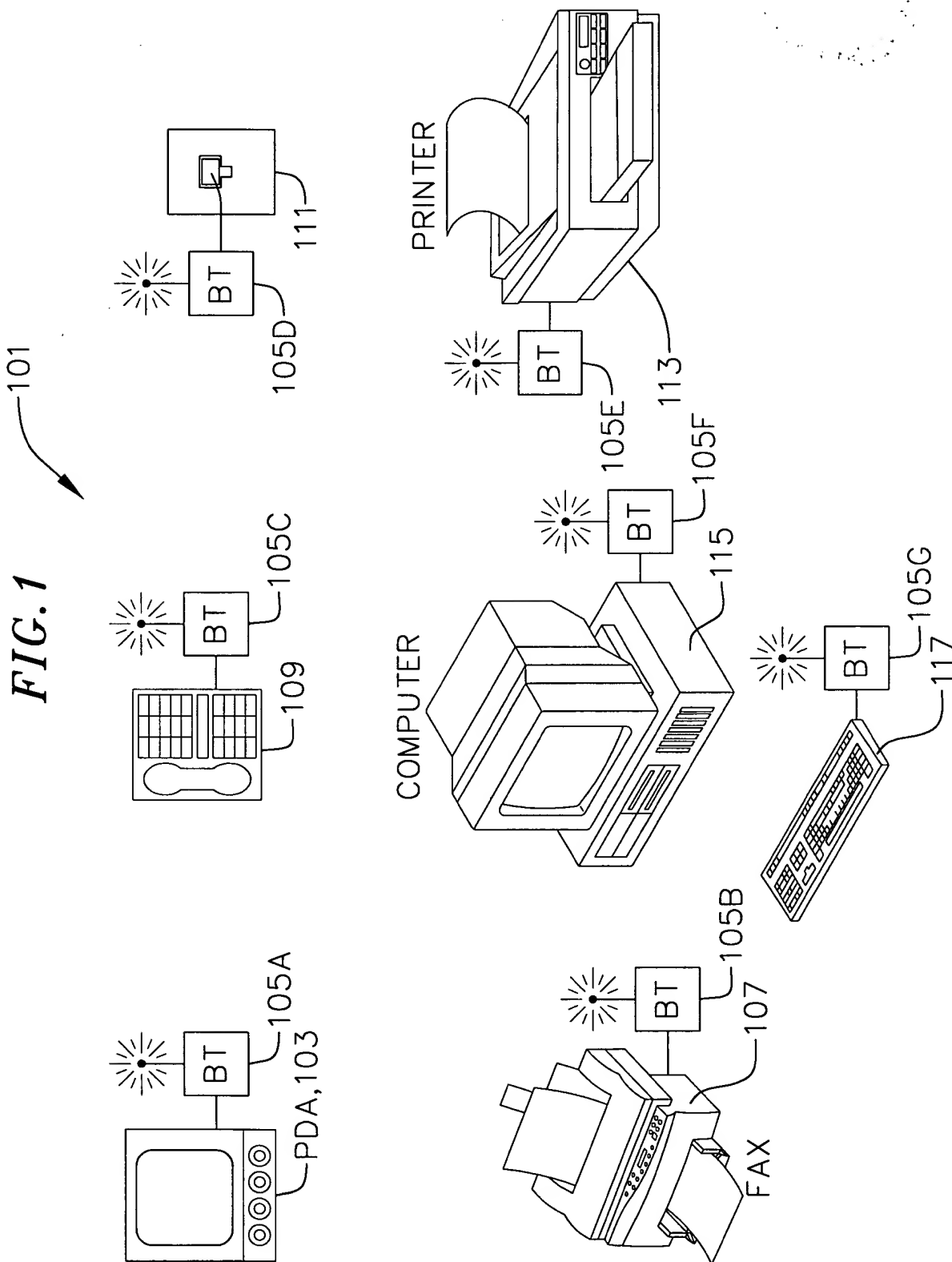


FIG. 2A

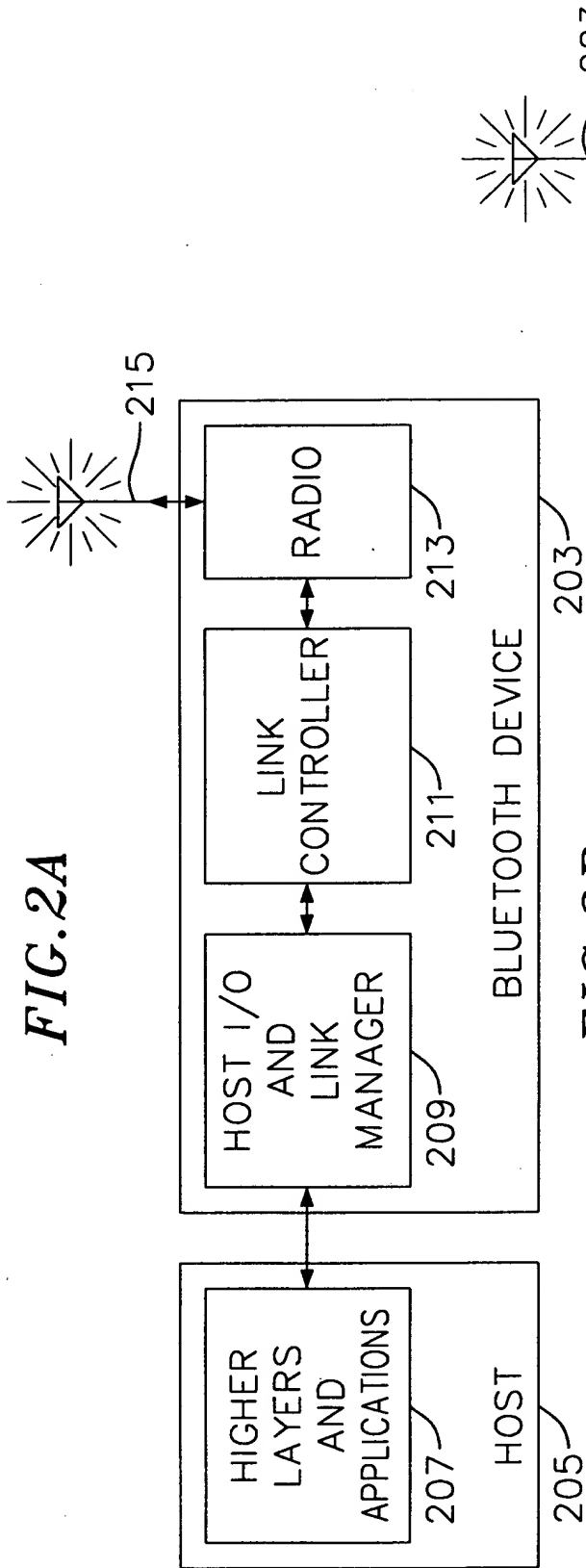


FIG. 2B

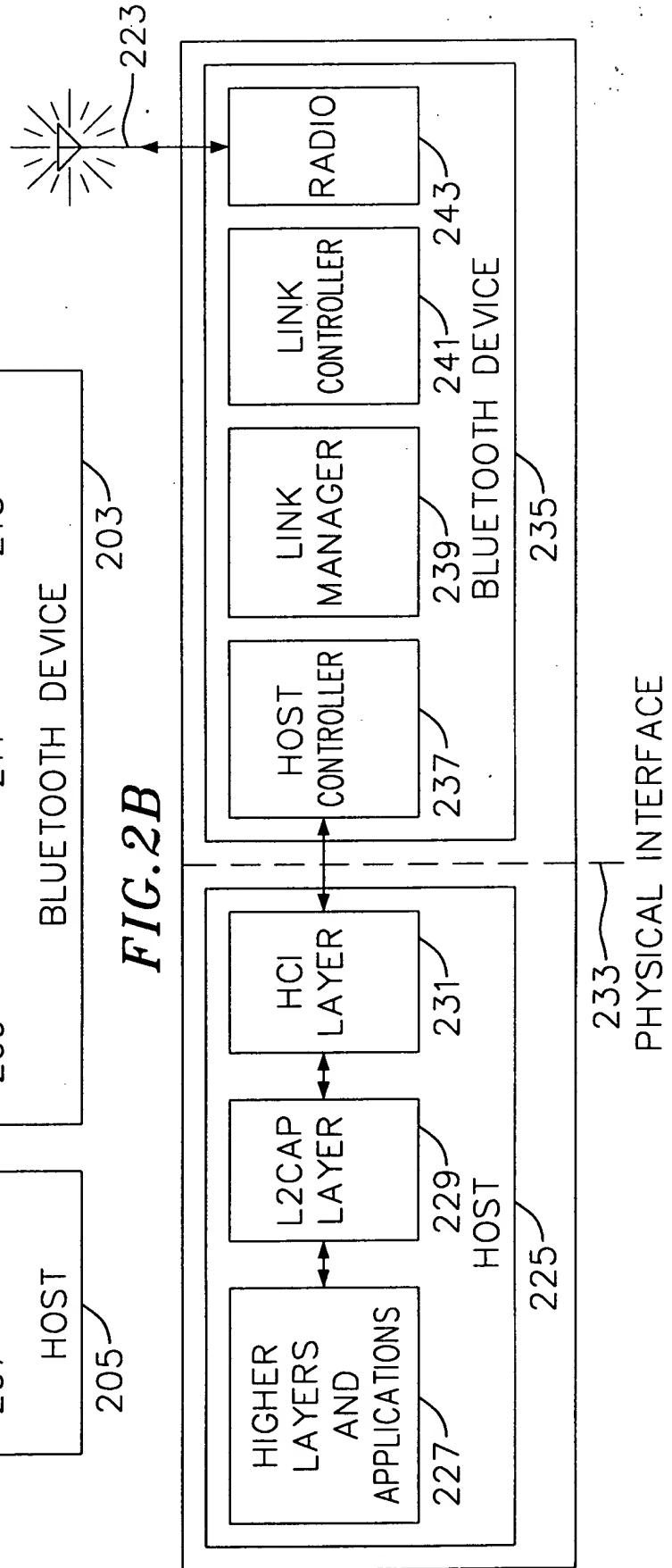


FIG. 2C

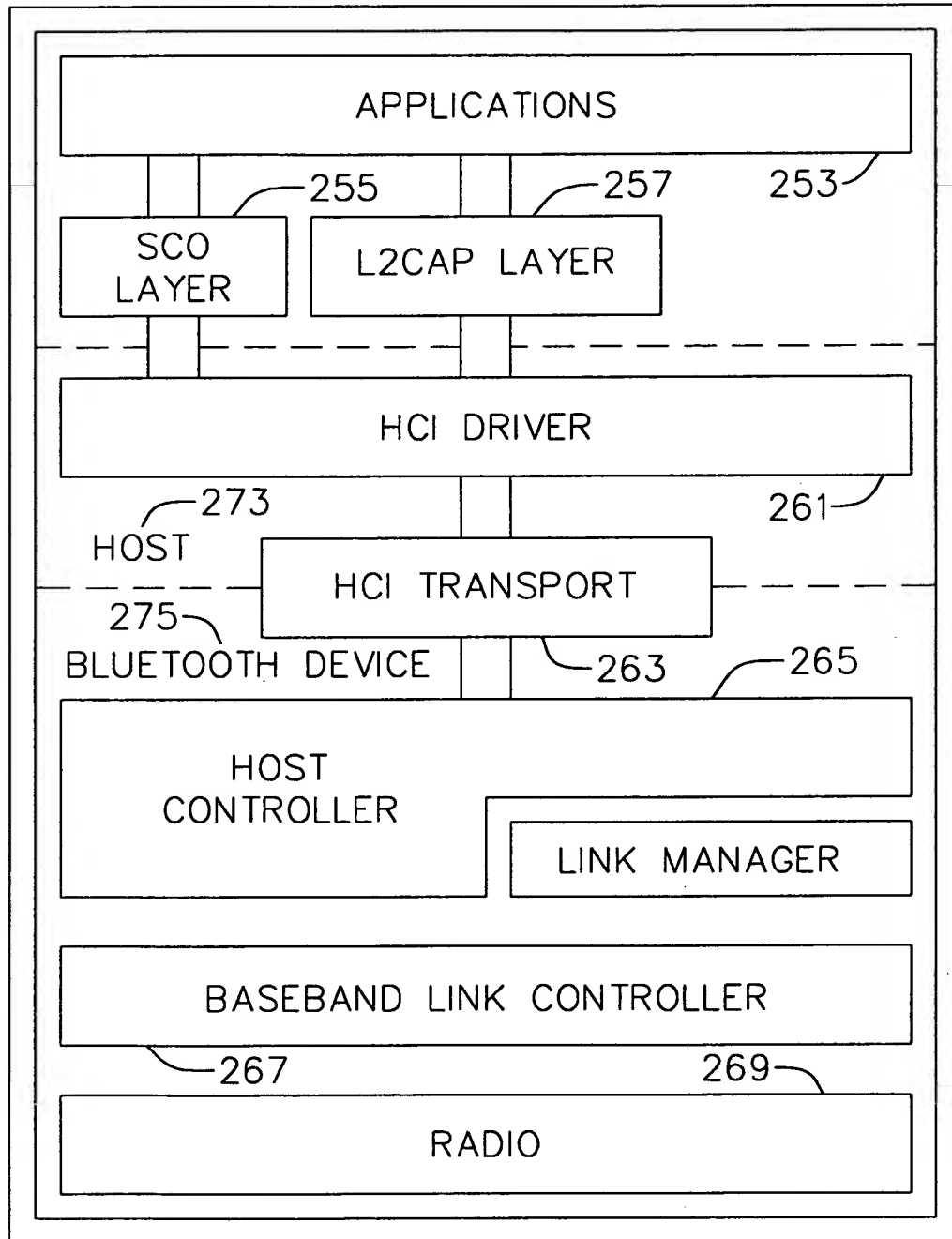


FIG. 3

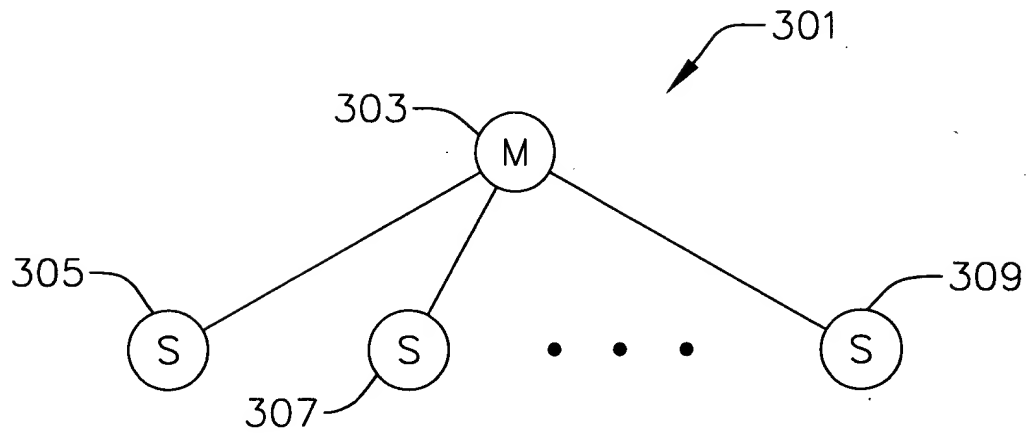


FIG. 4

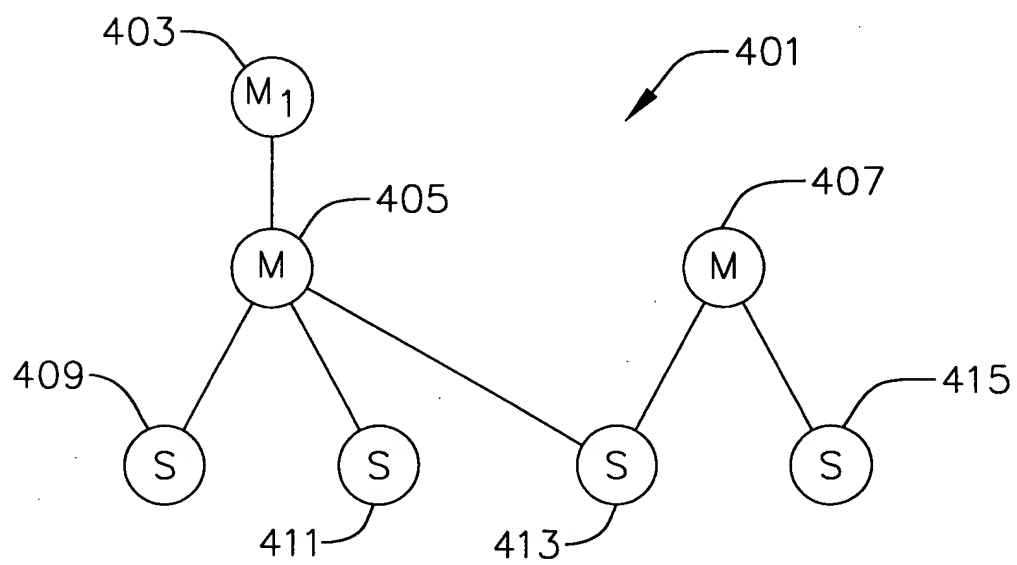
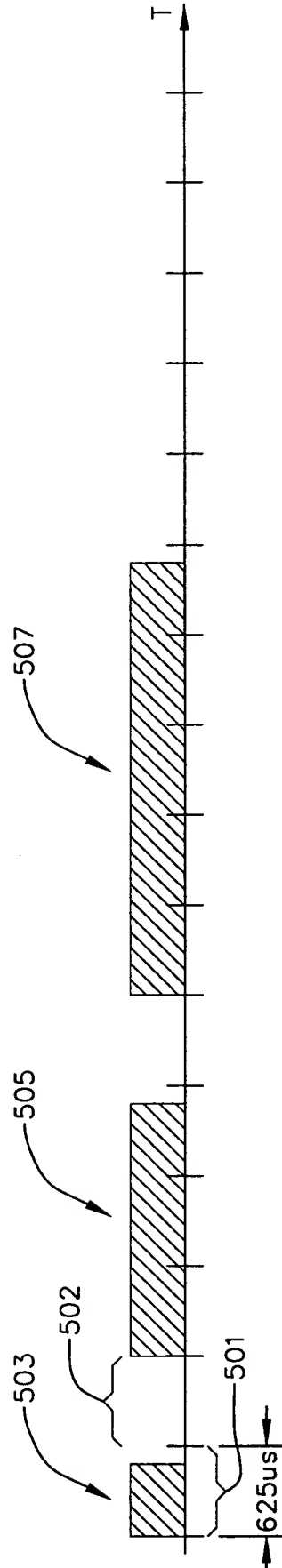


FIG. 5



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FIG. 6

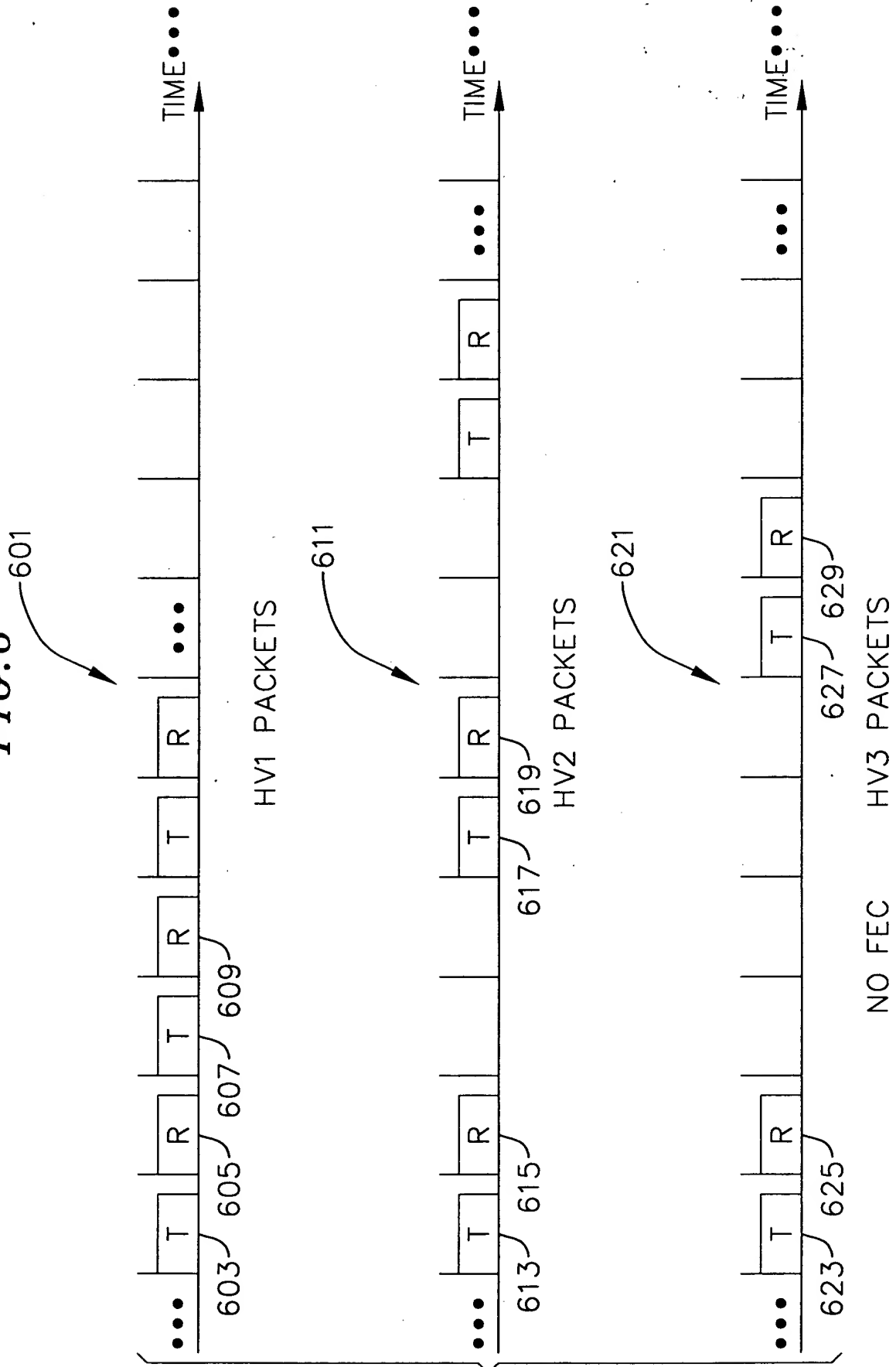


FIG. 7

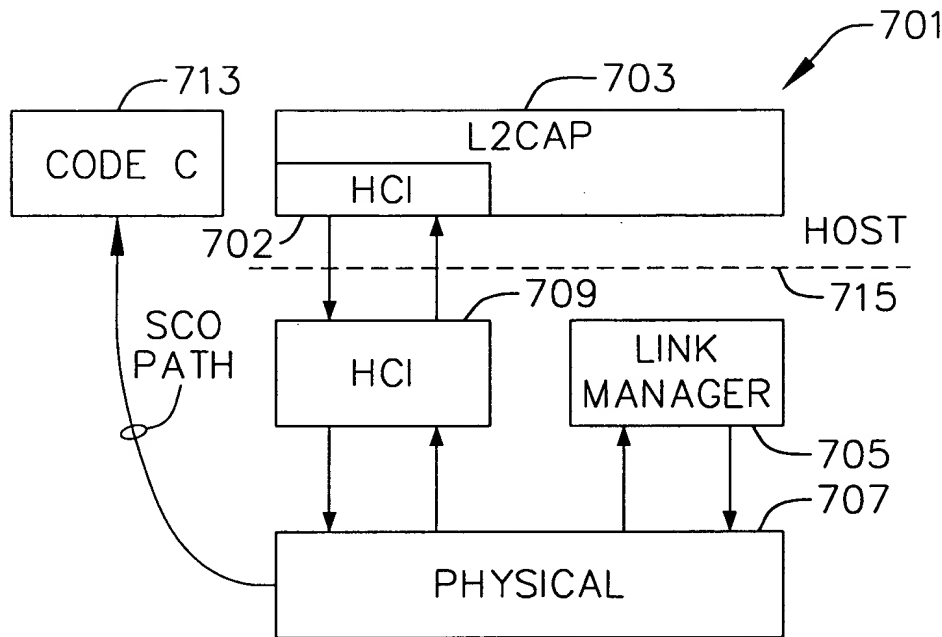


FIG. 8

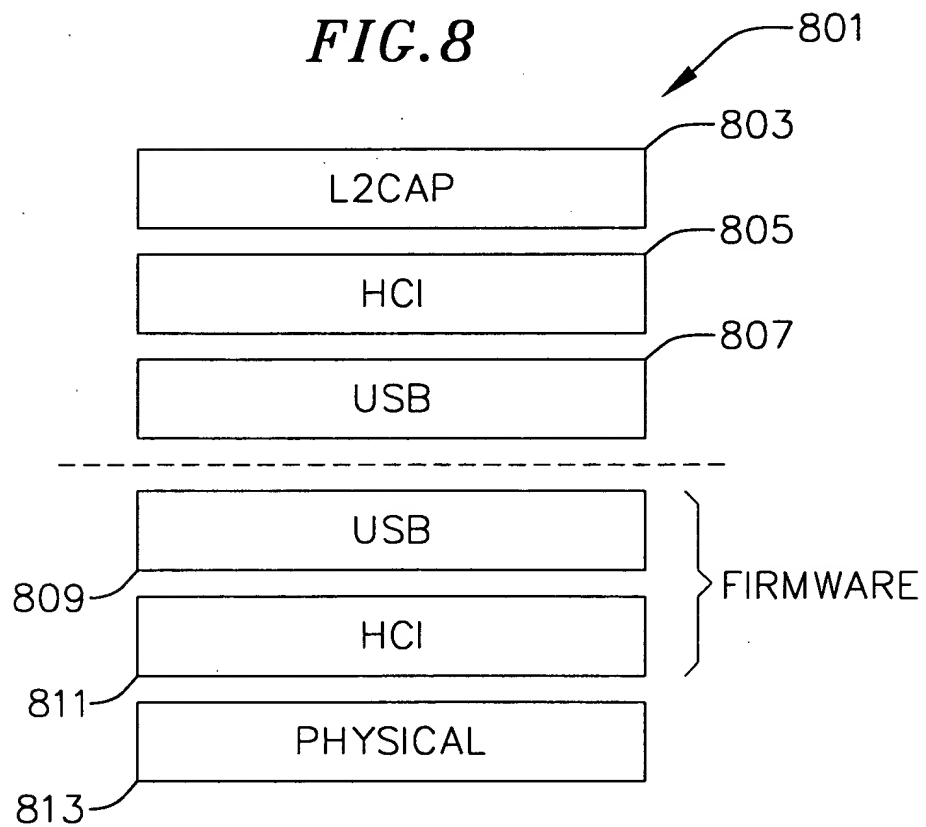


FIG. 9

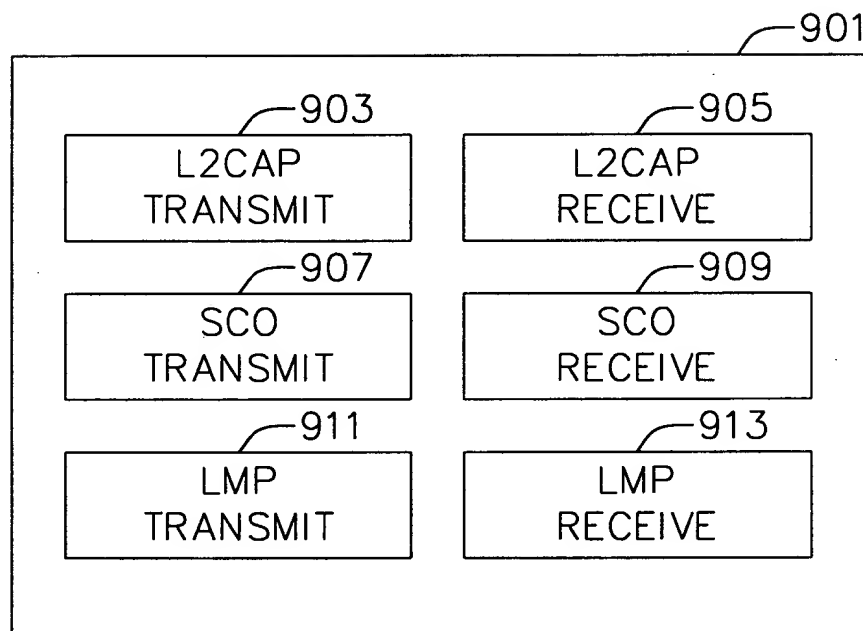


FIG. 10

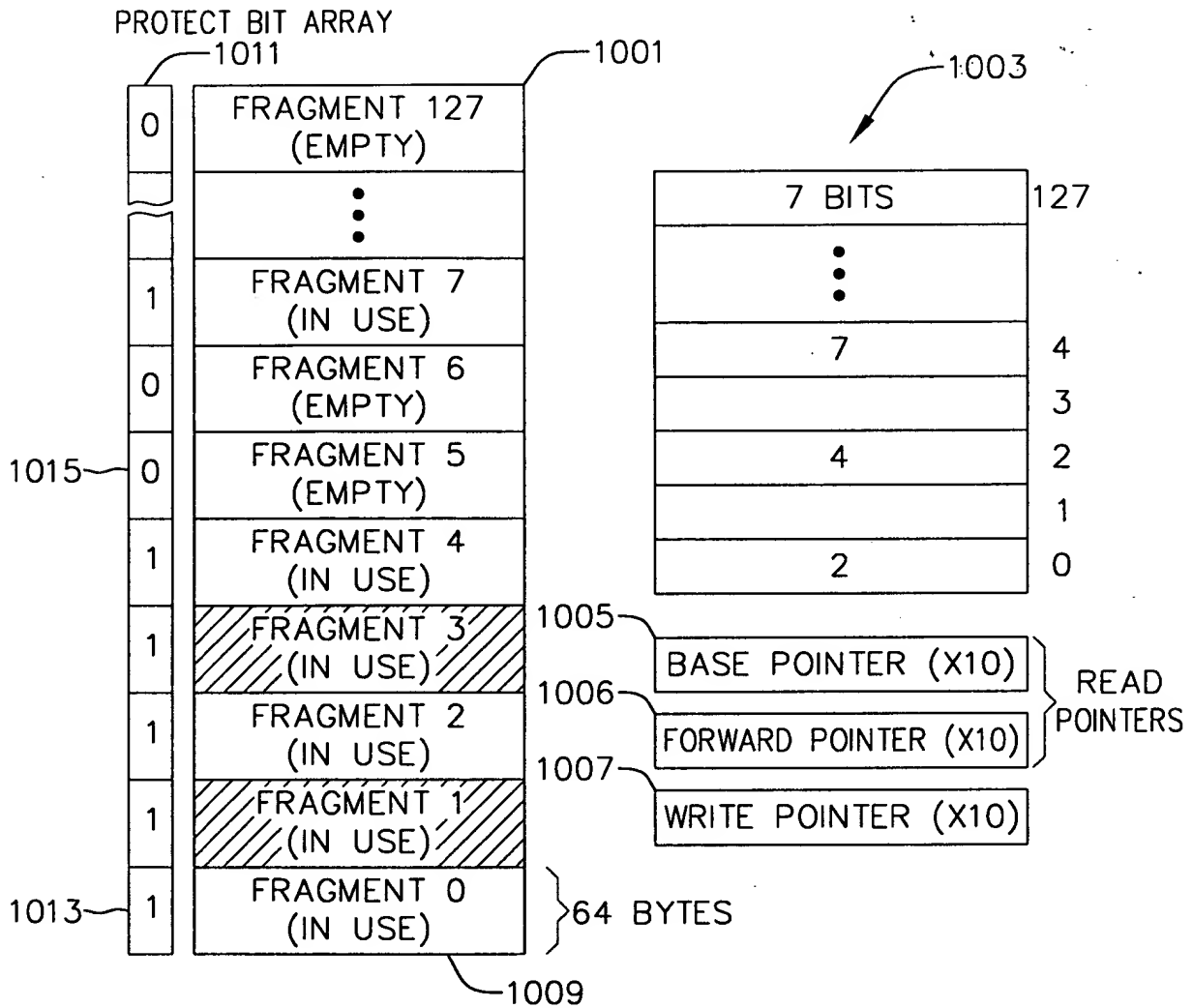


FIG. 11

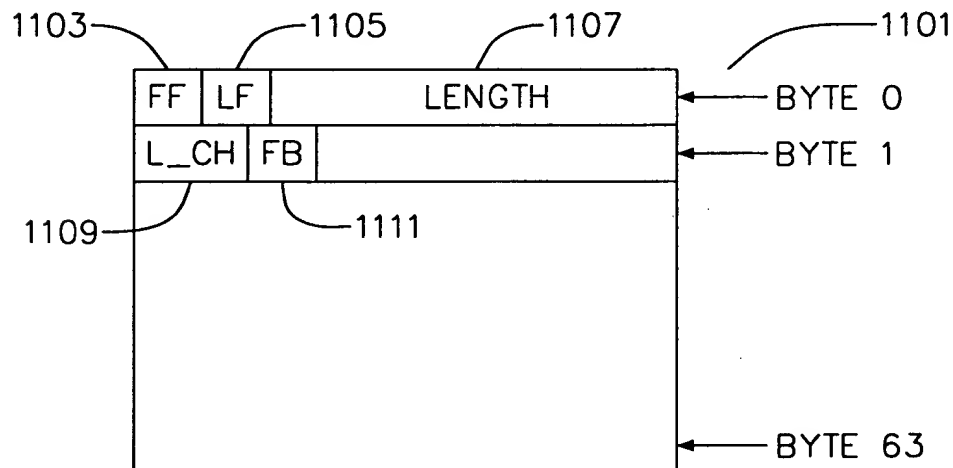


FIG. 12

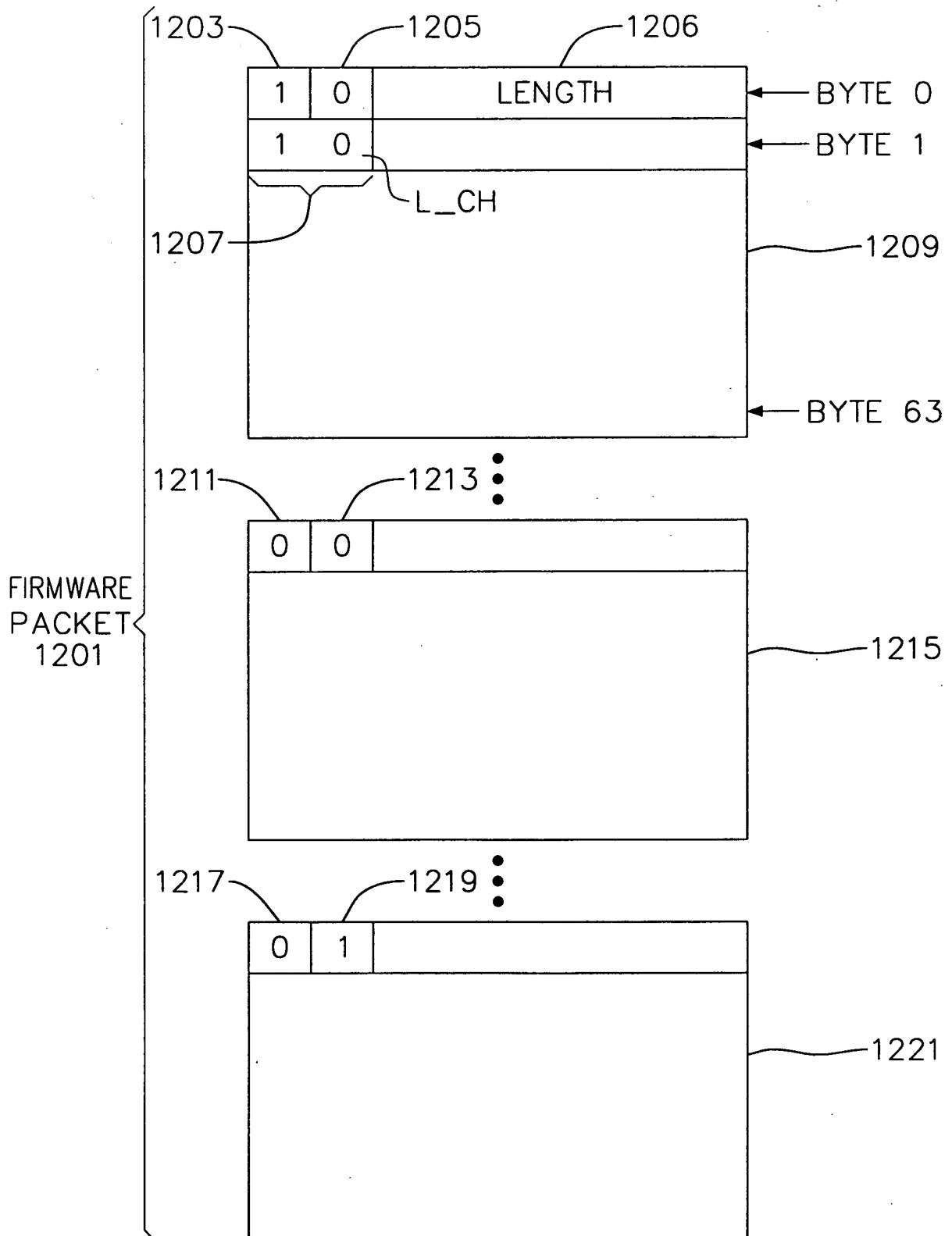


FIG. 13

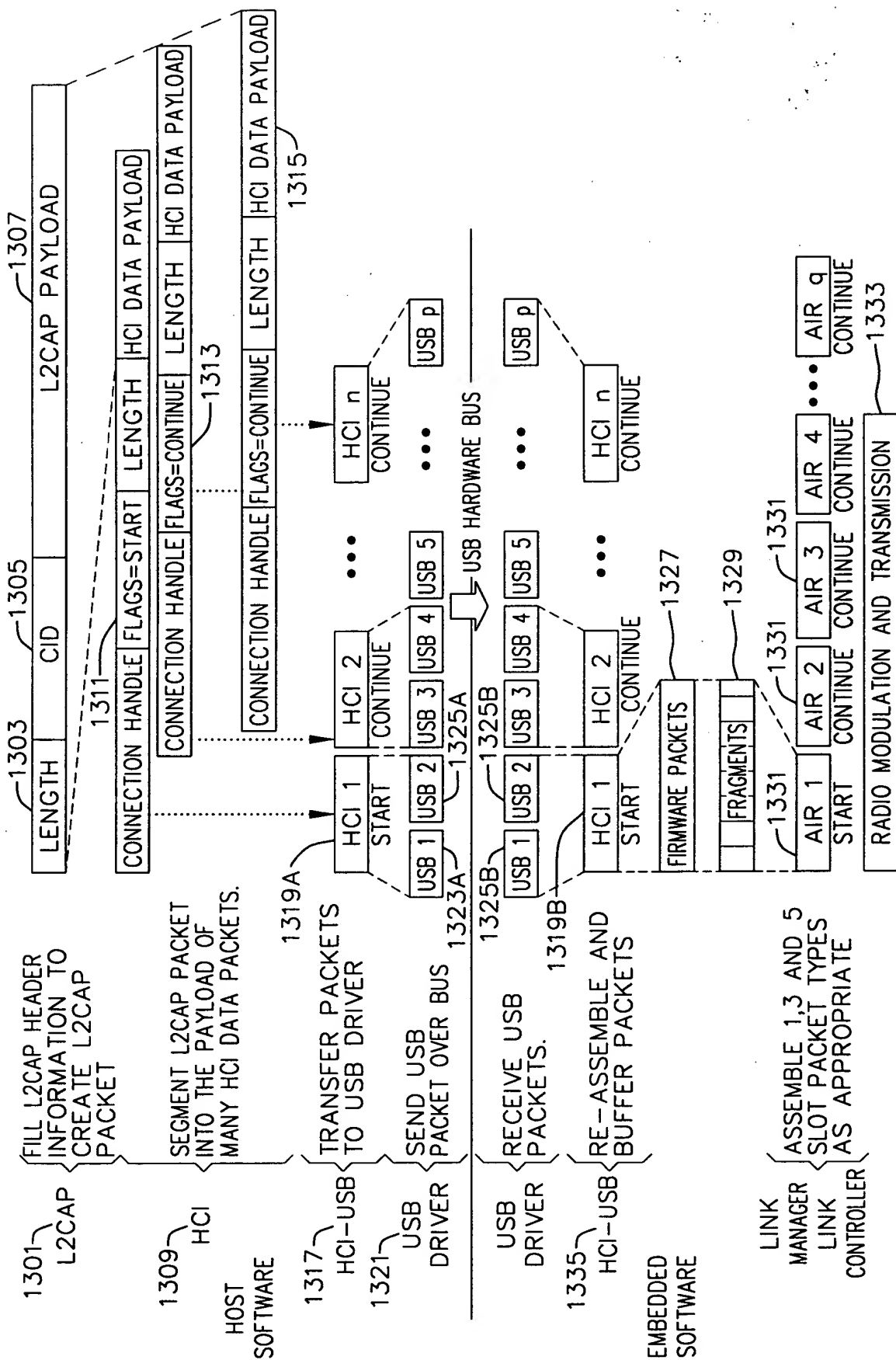


FIG. 14

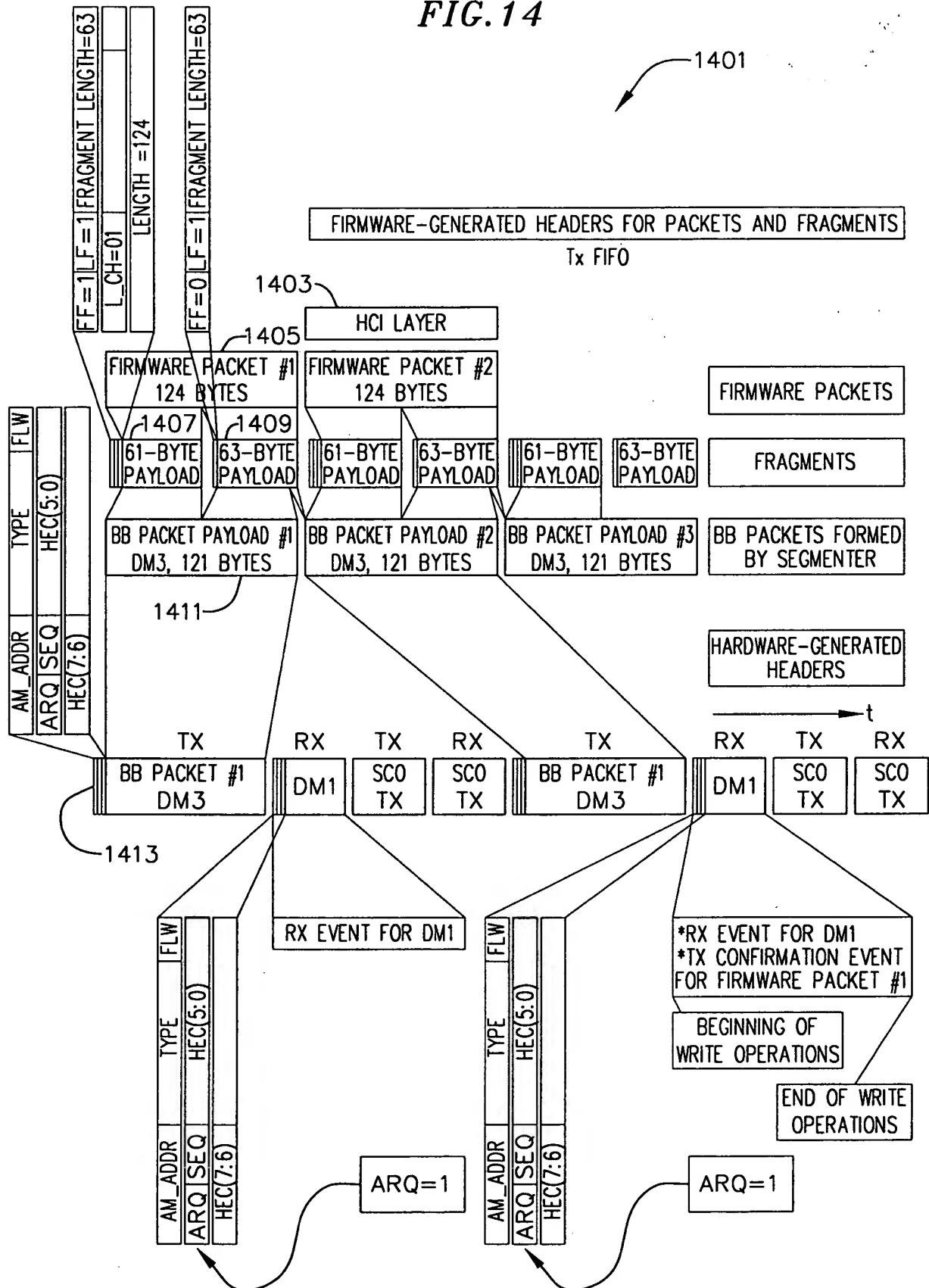


FIG. 15

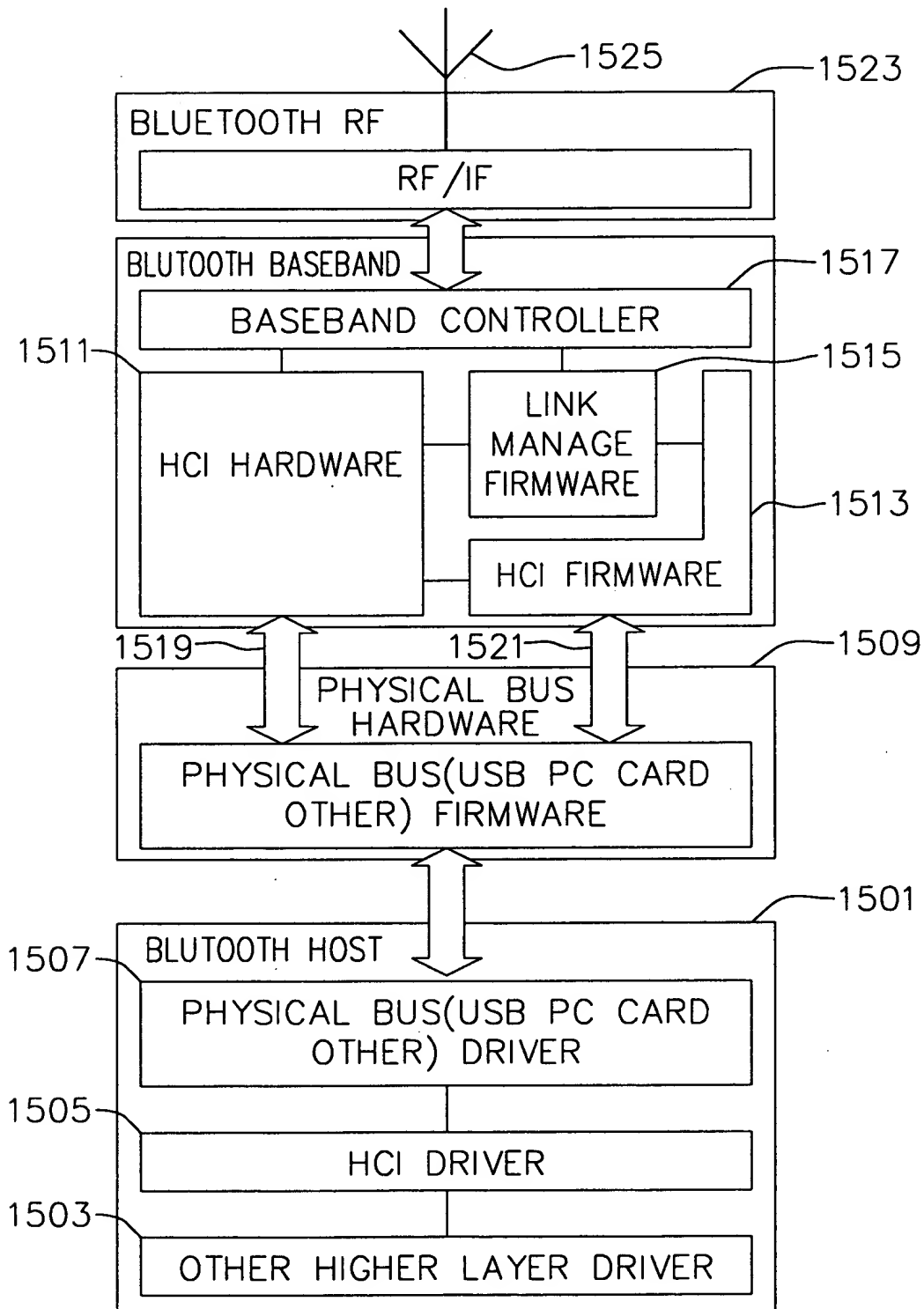
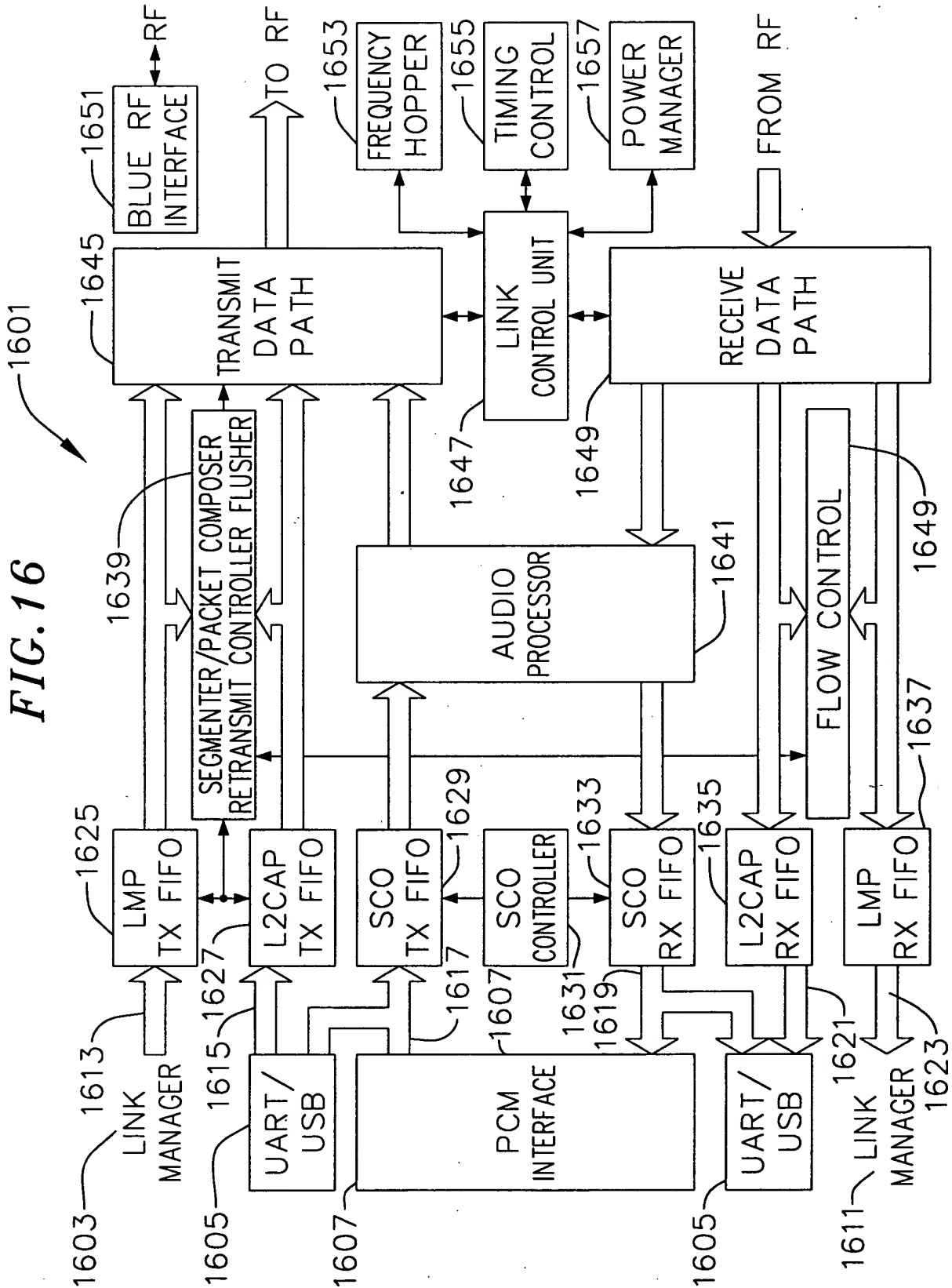


FIG. 16



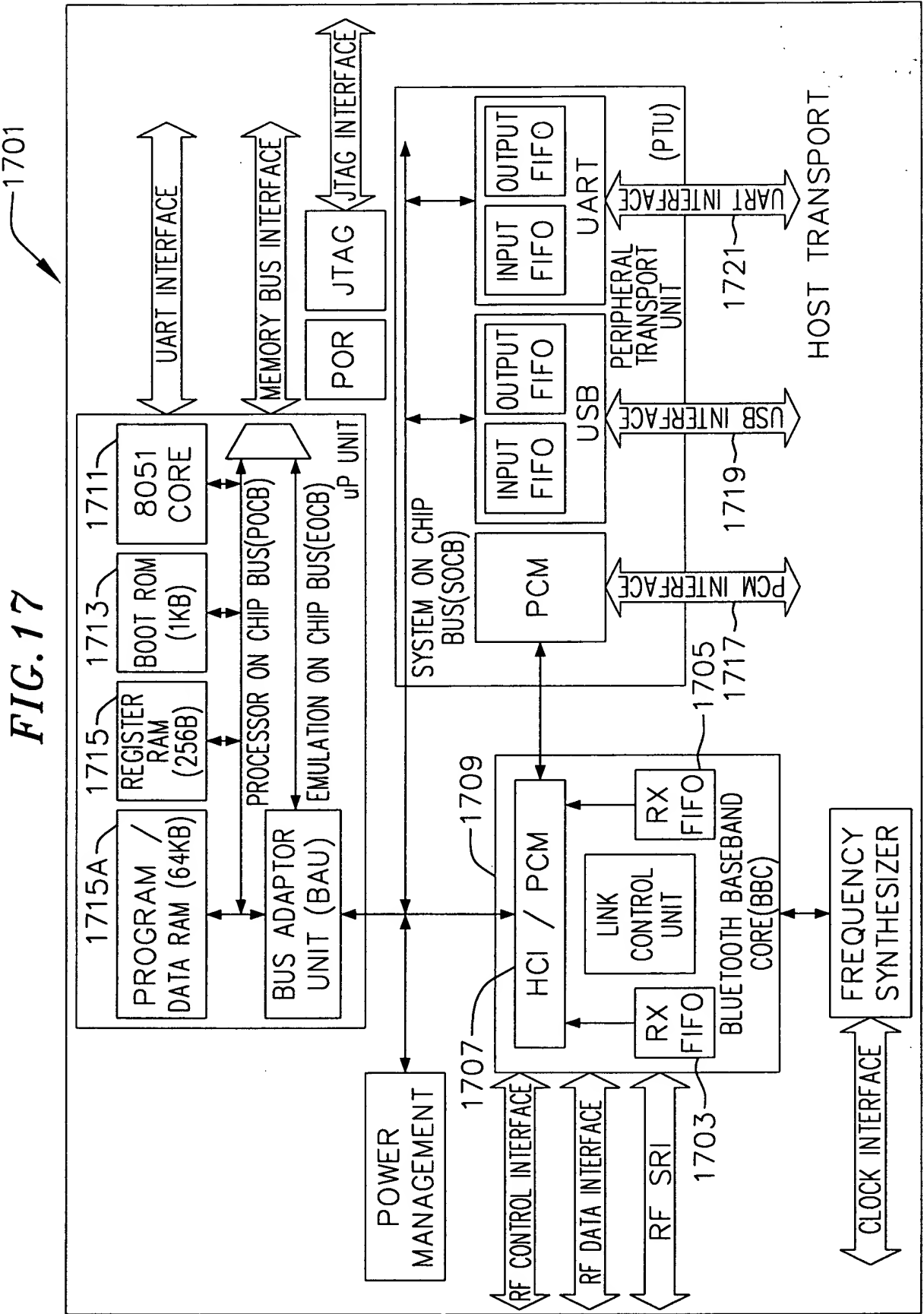


FIG. 18

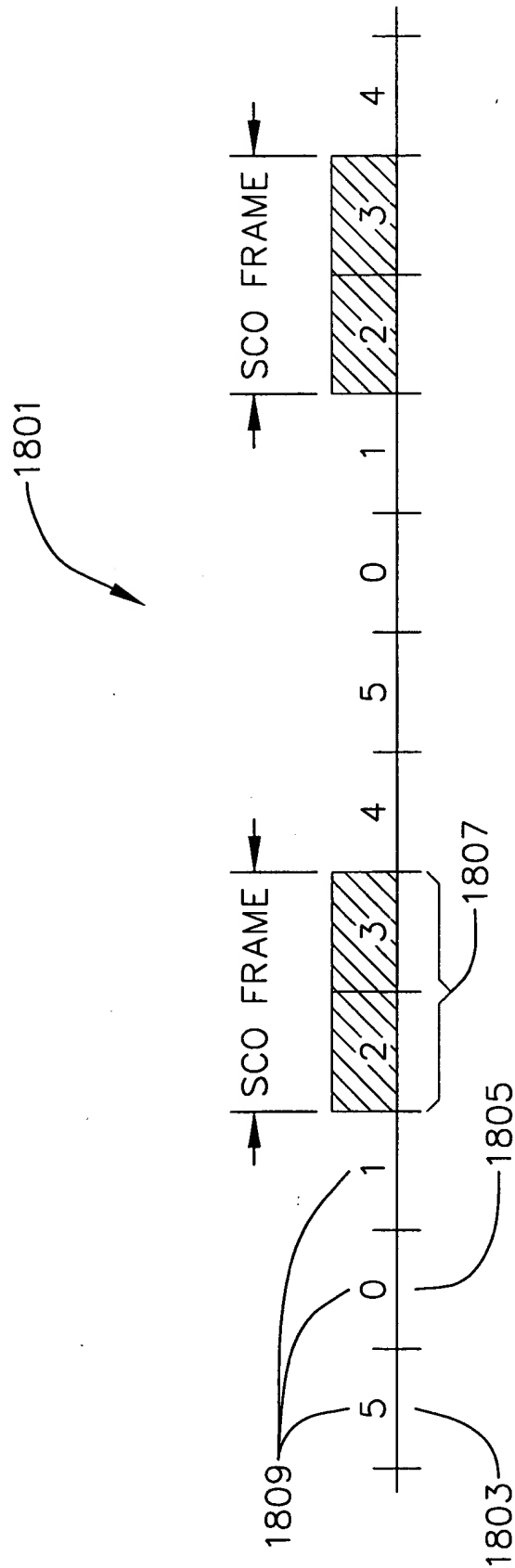


FIG. 19A

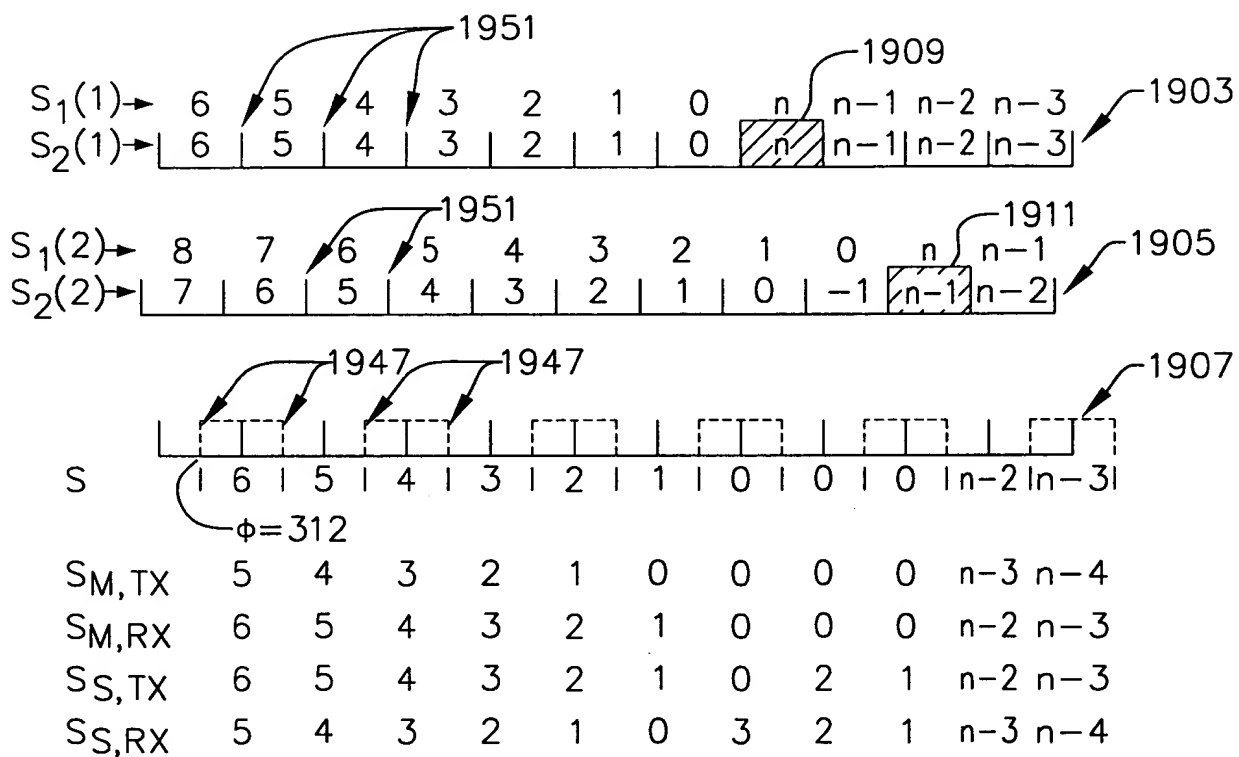


FIG. 19B

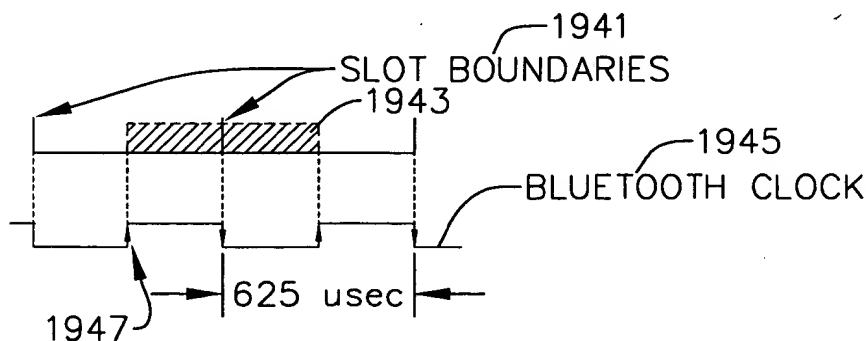


FIG. 20

TABLE 1. PACKET TYPE PRIORITY

2001

RANGE LABEL	MIN BYTES IN BUFFER	MAX BYTES IN BUFFER	1ST. CHOICE	2ND. CHOICE	3RD. CHOICE	4TH. CHOICE	5TH. CHOICE	6TH. CHOICE
a	0	0	NULL	NULL	NULL	NULL	NULL	NULL
b	1	17	DM1	DH1	DM3	DH3	DM5	DH5
c	18	27	DH1	DM3	DH3	DM5	DH5	DM1
d	28	121	DM3	DH3	DM5	DH5	DH1	DM1
e	122	183	DH3	DM5	DH5	DM3	DH1	DM1
f	184	224	DM5	DH5	DH3	DM3	DH1	DM1
g	225	339	DH5	DM5	DH3	DM3	DH1	DM1
h	339		DH5	DM5	DH3	DM3	DH1	DM1

FIG. 21

EXAMPLE OF A FRAGMENT CHOOSER FOR 16 FRAGMENTS, N=4
 (FOR 127 FRAGMENTS N=7)

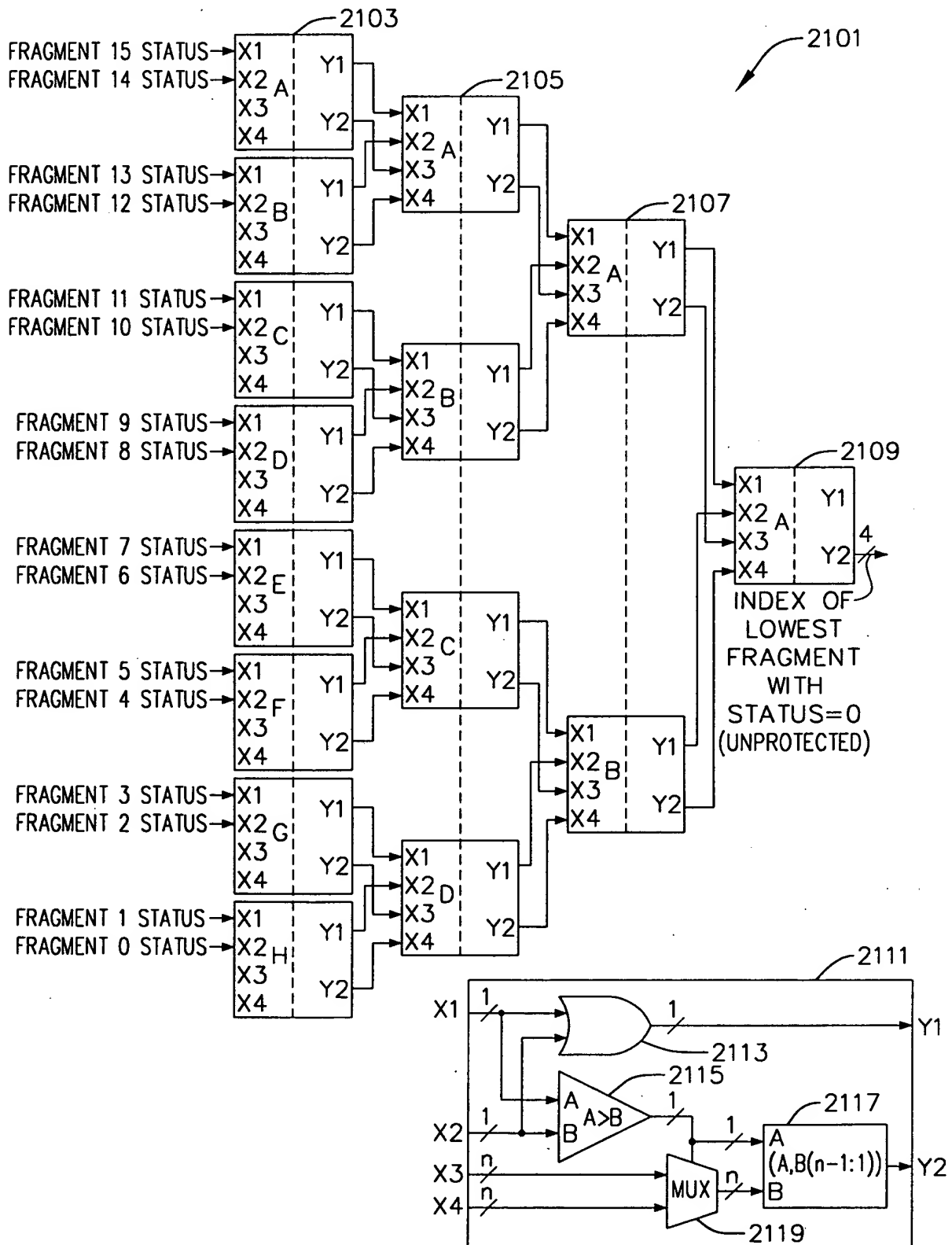


FIG. 22

CIRCUIT TO CALCULATE CLK MOD Y, WHERE CLK IS 27 BITS AND T IS 8 BITS

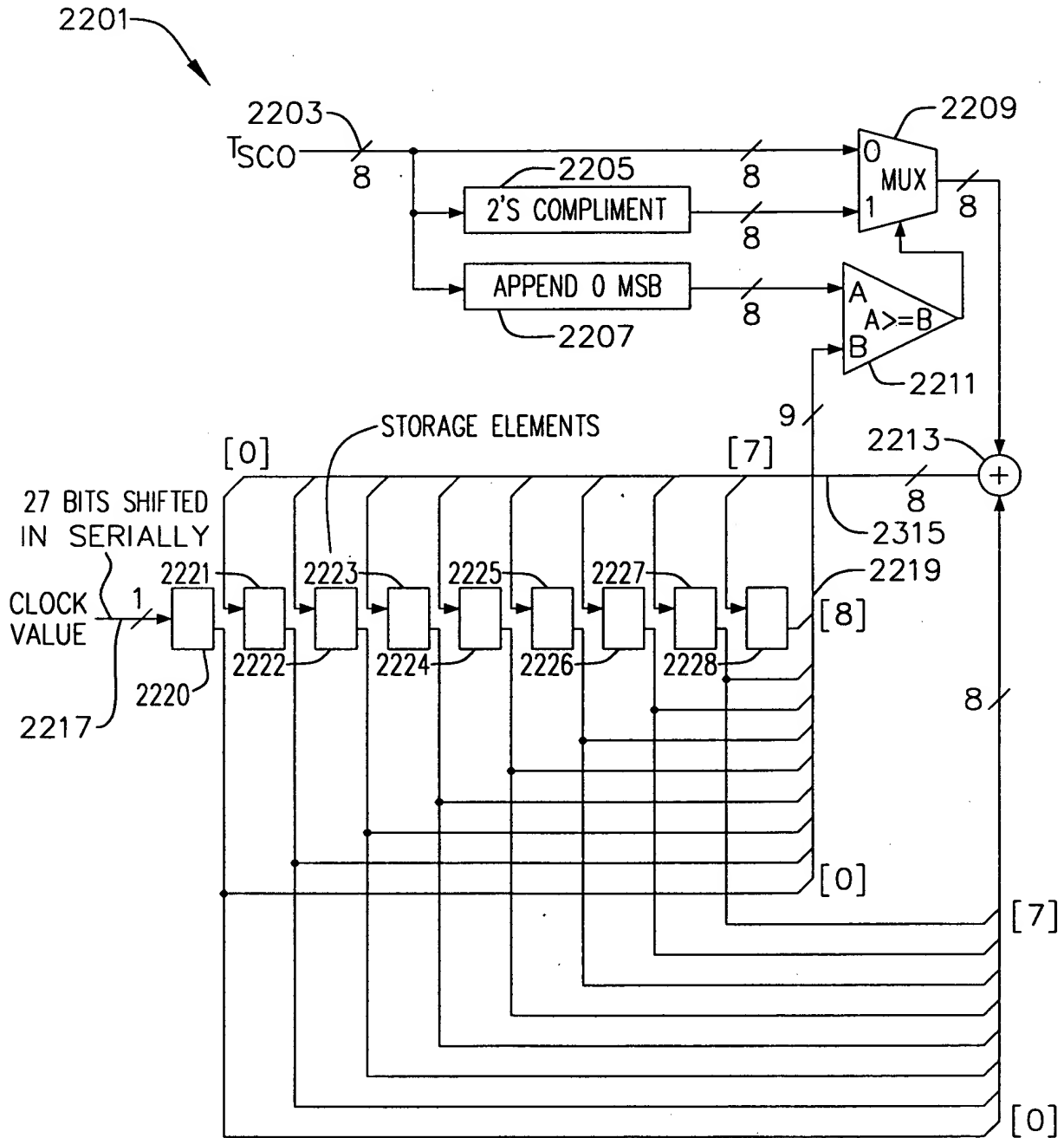


FIG. 23

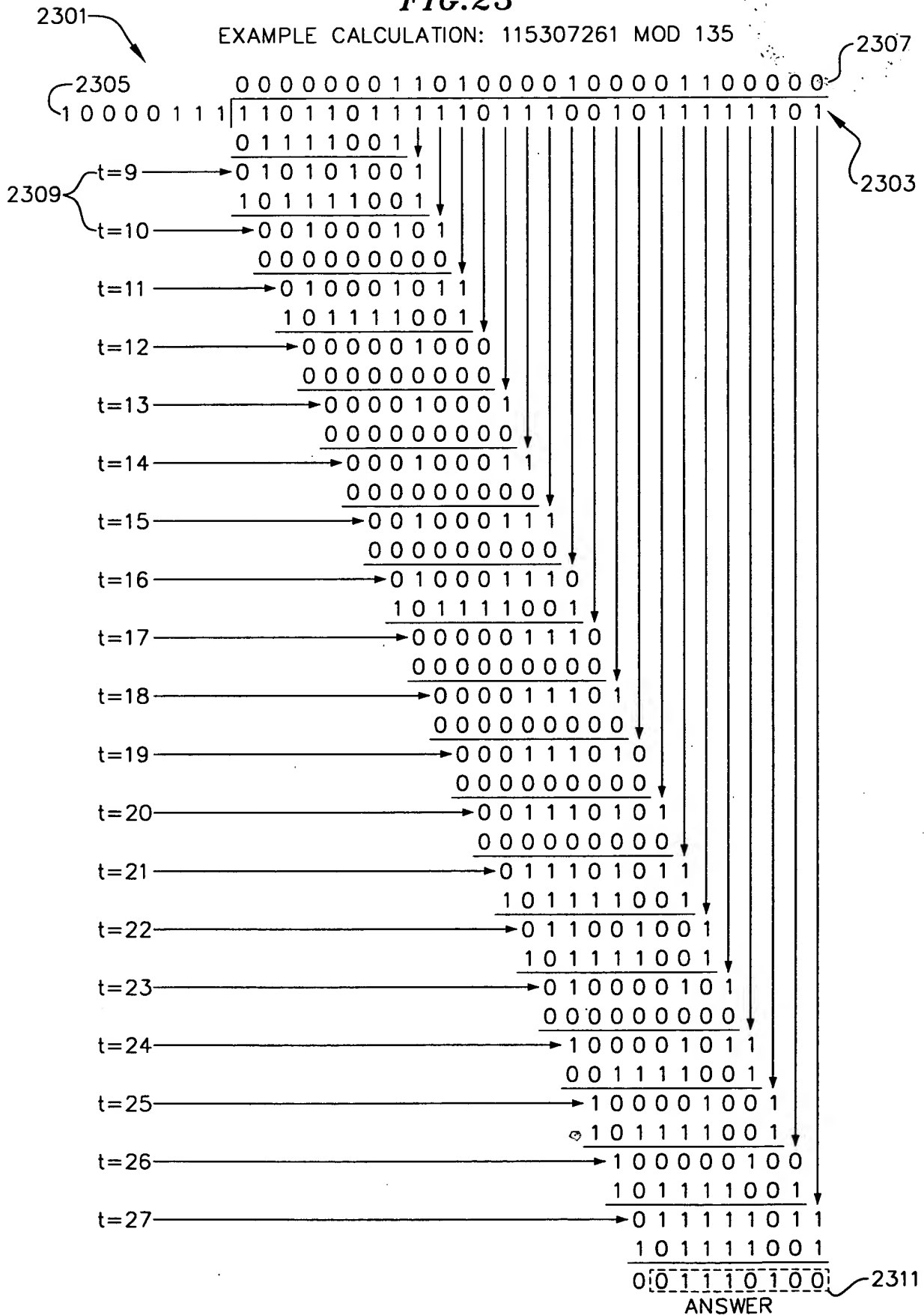


FIG. 24

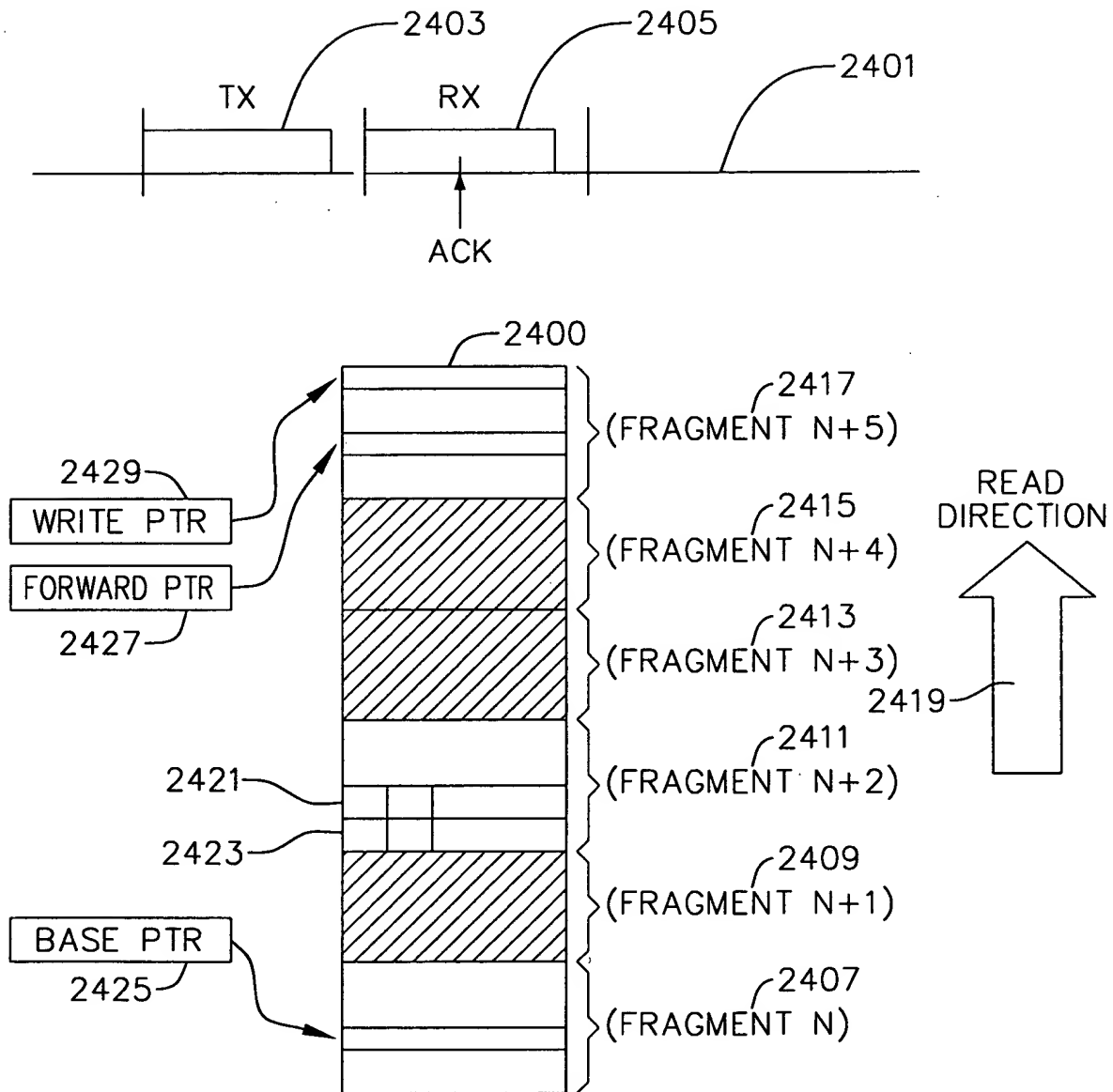


FIG. 25

THE FOLLOWING DIPICTS THE BYTE GAUGE STATE MACHINE IN FLOW
DIAGRAM FORM. NUMBERS IN PARENTHESES INDICATE THE STATE.

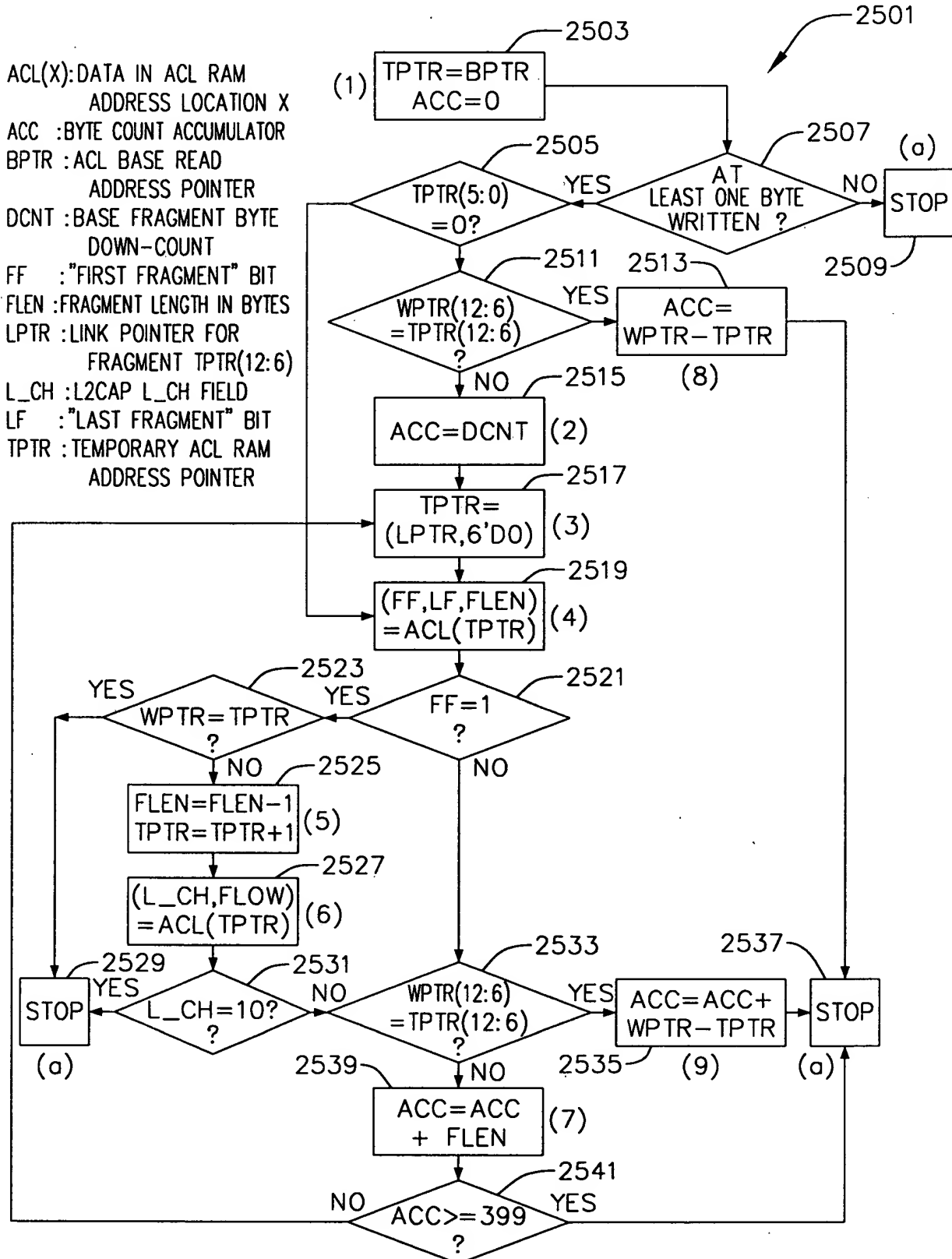


FIG. 26

L2CAP PACKET FLUSH STATE MACHINE

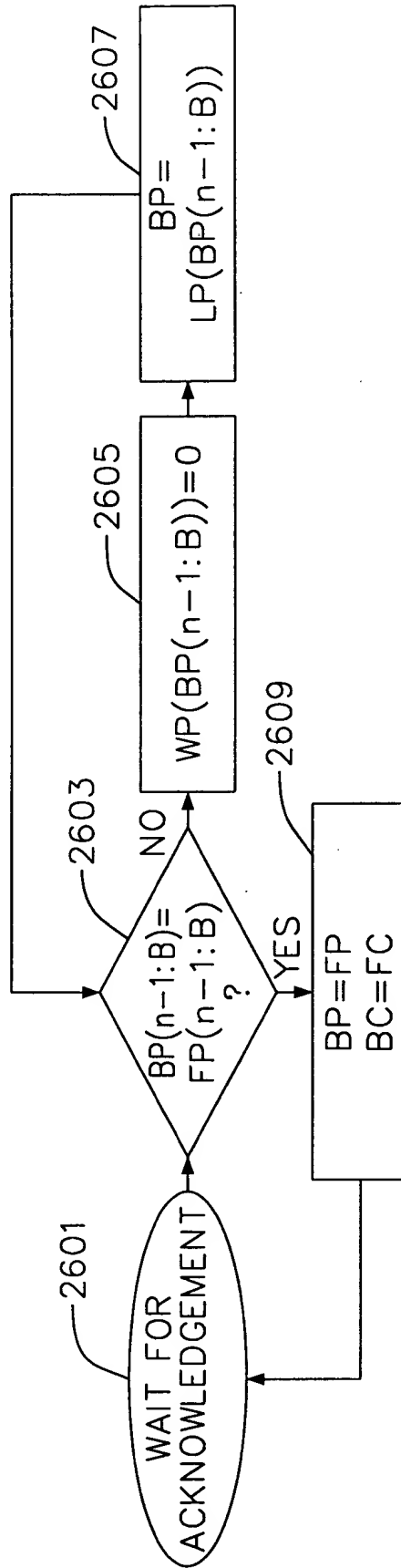


FIG. 27

L2CAP PACKET TRANSMIT STATE MACHINE

KEY:
BBH1: BASEBAND PACKET HEADER,
1ST. BYTE
BBH2: BASEBAND PACKET HEADER,
2ND. BYTE
BC : BASE DOWN-COUNT (COUNTS
DOWN FROM FRAGMENT
LENGTH)
BP : BASE POINTER
FC : FORWARD DOWN-COUNT
(COUNTS DOWN FROM
FRAGMENT LENGTH)
FP : FORWARD POINTER
LP : LINK POINTER ARRAY
MEM : L2CAP MEMORY ARRAY
N : NUMBER OF BITS IN
ADDRESS TO MEMORY ARRAY
PB : PAYLOAD BYTE DOWN-COUNT
(COUNTS DOWN FROM
PACKET LENGTH)
PLH1: PAYLOAD HEADER,
1ST. BYTE
PLH2: PAYLOAD HEADER,
2ND. BYTE
WP : WRITE PROTECTION ARRAY
--ONE BIT PER FRAGMENT

NOTATION:
-- : DECREMENT BY ONE
++ : INCREMENT BY ONE
X(Y) : ELEMENT Y OF ARRAY X
A(B:C) : BITS B THROUGH C OF
N BIT BUS A
(D,E) : CONCATINATION OF D AND E
6'H : 6-BIT HEX VALUE

